

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Explosive atmospheres –
Part 15: Equipment protection by type of protection "n"**

**Atmosphères explosives –
Partie 15: Protection du matériel par mode de protection « n »**



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CONTENTS

FOREWORD.....	8
1 Scope.....	10
2 Normative references	14
3 Terms and definitions	15
4 General	17
4.1 Equipment grouping and temperature classification	17
4.2 Potential ignition sources	17
5 Temperatures.....	17
5.1 Maximum surface temperature	17
5.2 Small components	18
6 Requirements for electrical equipment.....	18
6.1 General.....	18
6.2 Opening times	18
6.3 Minimum degree of protection	18
6.3.1 General	18
6.3.2 Degree of protection provided by installation	18
6.4 Clearances, creepage distances and separations	18
6.4.1 General	18
6.4.2 Determination of working voltage	19
6.4.3 Conformal coating	19
6.4.4 Comparative tracking index (CTI)	19
6.4.5 Measurement of creepage and clearance	19
6.4.6 Compound filled cable sealing boxes.....	21
6.5 Electric strength	26
6.5.1 Insulation from earth or frame.....	26
6.5.2 Insulation between conductive parts	26
7 Connection facilities and terminal compartments	27
7.1 General.....	27
7.2 Field wiring connections	27
7.2.1 General	27
7.2.2 Connections made using terminals complying with IEC 60947-7-1, IEC 60947-7-2, IEC 60999-1, or IEC 60999-2	28
7.2.3 Field wiring connection facilities integral to “n” equipment or components.....	28
7.2.4 Connections designed to be used with cable lugs and similar devices	28
7.2.5 Connections using permanent arrangements	28
7.3 Factory connections	28
7.3.1 General	28
7.3.2 Field wiring connection methods used for factory connections	28
7.3.3 Other factory connections.....	28
7.3.4 Permanent connections	28
7.3.5 Pluggable connections.....	29
7.3.6 Terminal bridging connections	29
8 Supplementary requirements for non-sparking electrical machines	29
8.1 General.....	29
8.2 Machine enclosure	30

8.3	Terminal boxes.....	30
8.4	Conduit stopping boxes, cable sealing and dividing boxes.....	30
8.5	Connection facilities for external conductors.....	30
8.6	Neutral point connections.....	30
8.7	Radial air gap.....	31
8.8	Rotor cages.....	31
8.8.1	Rotor cages built from bars connected to end rings.....	31
8.8.2	Cast rotor cages.....	31
8.8.3	Assessment for possible air gap sparking.....	31
8.9	Stator winding insulation system.....	32
8.10	Surface temperature limitation.....	33
8.10.1	Prevention of thermal ignition.....	33
8.10.2	Operation with a frequency convertor or a non-sinusoidal supply.....	33
9	Supplementary requirements for non-sparking fuses and fuse assemblies.....	34
9.1	Fuses.....	34
9.2	Temperature class of equipment.....	34
9.3	Fuse mounting.....	34
9.4	Fuse enclosures.....	34
9.5	Replacement fuse identification.....	34
10	Supplementary requirements for non-sparking plugs and sockets.....	34
10.1	Plugs and sockets for external connections.....	34
10.2	Maintaining degree of protection (IP code).....	35
10.3	Sockets that do not have plugs inserted in normal operation.....	35
11	Supplementary requirements for non-sparking luminaires.....	35
11.1	General.....	35
11.2	Construction.....	35
11.2.1	General.....	35
11.2.2	Enclosure of lamp.....	36
11.2.3	Lampholders.....	36
11.2.4	Auxiliaries.....	37
11.2.5	Creepage distances and clearances.....	38
11.2.6	Terminals.....	39
11.2.7	Internal wiring.....	39
11.3	Luminaires for tubular fluorescent bi-pin lamps.....	39
11.3.1	General.....	39
11.3.2	Maximum ambient temperature.....	39
11.3.3	Temperature class.....	39
11.3.4	Endurance tests and thermal tests.....	40
11.3.5	Resistance to dust and moisture.....	41
11.3.6	Insulation resistance and electric strength.....	41
11.4	Other equipment containing light sources.....	41
12	Supplementary requirements for equipment incorporating non-sparking cells and batteries.....	41
12.1	General.....	41
12.2	Categorization of cells and batteries.....	41
12.2.1	Type 1 cells and batteries.....	41
12.2.2	Type 2 cells and batteries.....	42
12.2.3	Type 3 cells and batteries.....	42

12.3	General requirements for cells and batteries of types 1 and 2	43
12.3.1	General	43
12.3.2	Maximum capacity	43
12.3.3	Secondary cells	43
12.3.4	Cell connection	43
12.3.5	Discharge mode	43
12.3.6	Temperature	43
12.3.7	Creepage and clearance	43
12.3.8	Connections	43
12.3.9	Connecting cells in series	43
12.3.10	Deep discharge protection	43
12.3.11	Temperature test conditions	44
12.3.12	Battery packs	44
12.3.13	Battery pack connections	44
12.3.14	Cell electrolyte and gas release	44
12.3.15	Excessive load draw	44
12.4	Charging of type 1 and type 2 cells and batteries	44
12.4.1	Temperature range	44
12.4.2	Charger specifications	44
12.4.3	Charging separated cells or batteries	44
12.4.4	Charger limitations	44
12.4.5	Charging outside the hazardous area	44
12.4.6	Gassing during charging of type 2 cells or batteries	45
12.5	Requirements for type 3 secondary batteries	45
12.5.1	Types of permissible batteries	45
12.5.2	Battery containers	45
12.5.3	Cells	46
12.5.4	Connections	47
12.6	Verification and tests	47
12.6.1	Insulation resistance	47
12.6.2	Mechanical shock test	47
13	Supplementary requirements for non-sparking low power equipment	47
14	Supplementary requirements for non-sparking current transformers	49
15	Other non-sparking electrical equipment	49
16	General supplementary requirements for equipment producing arcs, sparks or hot surfaces	49
17	Supplementary requirements for enclosed-break devices and non-incendive components producing arcs, sparks or hot surfaces	49
17.1	Type testing	49
17.2	Ratings	49
17.2.1	Enclosed-break devices	49
17.2.2	Non-incendive components	50
17.3	Construction of enclosed-break devices	50
17.3.1	Free internal volume	50
17.3.2	Continuous operating temperature (COT) requirements	50
17.3.3	Seal protection	50
18	Supplementary requirements for hermetically sealed devices producing arcs, sparks or hot surfaces	50

19	Supplementary requirements for sealed devices producing arcs, sparks or hot surfaces	50
19.1	Non-metallic materials	50
19.2	Opening	50
19.3	Internal spaces	50
19.4	Handling	51
19.5	Gasket and seals	51
19.6	Type tests	51
20	Supplementary requirements for restricted-breathing enclosures protecting equipment producing arcs, sparks or hot surfaces	51
20.1	General	51
20.2	Constructional requirements	51
20.2.1	Type of equipment	51
20.2.2	Cable glands and conduit entries	52
20.2.3	Operating rods, spindles and shafts	52
20.2.4	Windows	52
20.2.5	Gasket and seal requirements	53
20.2.6	Non-resilient seals	53
20.2.7	Test port	53
20.2.8	Internal fans	54
20.2.9	Routine test exemptions	54
20.3	Temperature limitation	54
20.3.1	General	54
20.3.2	Temperature calculation	54
20.4	Additional requirements for restricted breathing luminaires	55
20.4.1	Mounting arrangement	55
20.4.2	Reflectors	55
20.4.3	Surface temperatures of restricted breathing luminaires	55
21	General information on verification and tests	55
22	Type tests	55
22.1	Representative samples	55
22.2	Test configuration	55
22.3	Tests for enclosures on which the type of protection depends	55
22.3.1	Thermal endurance tests	55
22.4	Tests for enclosed break devices and non incensive components	56
22.4.1	Preparation of enclosed-break device samples	56
22.4.2	Preparation of non-incensive component samples	56
22.4.3	Test conditions for enclosed-break devices and non-incensive components	56
22.5	Tests for sealed devices	57
22.5.1	Conditioning	57
22.5.2	Voltage test	57
22.5.3	Tests on devices with free space	57
22.5.4	Test for sealed devices for luminaires	58
22.6	Type test requirements for restricted-breathing enclosures	58
22.6.1	General	58
22.6.2	Test procedures	59
22.6.3	Alternative Type test for equipment where the nominal volume of the enclosure changes due to pressure	59

22.7	Test for screw lampholders.....	59
22.8	Test for starter holders for luminaires	60
22.9	Tests for electronic starters for tubular fluorescent lamps and for ignitors for high pressure sodium or metal halide lamps	60
22.9.1	General	60
22.9.2	Moisture resistance, insulation and electric strength test	60
22.9.3	Cut-out device test	60
22.9.4	Life test (failed lamp).....	61
22.10	Test for wiring of luminaires subject to high-voltage impulses from ignitors.....	61
22.11	Mechanical shock test for batteries.....	62
22.11.1	General	62
22.11.2	Test procedure	62
22.11.3	Evaluation criteria	62
22.12	Insulation resistance test for batteries	62
22.12.1	Test conditions.....	62
22.12.2	Evaluation criteria	63
22.13	Additional ignition tests for large or high-voltage machines.....	63
22.13.1	Test for cage rotor construction.....	63
22.13.2	Test for stator winding insulation system incendivity.....	63
23	Routine verifications and tests.....	64
23.1	General.....	64
23.2	Specific routine tests	64
23.2.1	Electric strength test.....	64
23.2.2	Alternate dielectric strength test	64
23.2.3	Routine test requirements for restricted-breathing enclosures	64
23.2.4	Routine tests for electronic starters and ignitors	65
24	Marking	66
24.1	General.....	66
24.2	Where IP marking is required equipment shall be marked in accordance with 6.3. Additional marking for batteries	66
24.3	Examples of marking	67
24.3.1	Warning markings.....	67
25	Documentation	68
26	Instructions.....	68
	Annex A (informative) Application, installation, and testing considerations for Ex “nA” asynchronous machines.....	69
	Bibliography.....	71
	Figure 1 – Examples for determining clearances and creepage distances	26
	Table 1 – Relationship of this part to IEC 60079-0	10
	Table 2 – Minimum creepage distances, clearances and separations.....	20
	Table 3 – Tracking resistance of insulating materials	21
	Table 4 – Separation in compound-filled cable sealing boxes	22
	Table 5 – Assumed voltage of neutral points.....	30
	Table 6 – Potential air gap sparking risk assessment for cage rotor ignition risk factors.....	32
	Table 7 – Minimum distance between lamp and protective cover	36

Table 8 – Creepage distances and clearances at peak values of pulse voltages greater than 1,5 kV	39
Table 9 – Types and use of cells and batteries	42
Table 10 – Minimum creepage distances, clearances and separations for low power equipment.....	48
Table 11 – Insertion torque	59
Table 12 – Minimum removal torque	60
Table 13 – Explosion test mixtures	64
Table 14 – Text of warning markings	67

INTERNATIONAL ELECTROTECHNICAL COMMISSION

EXPLOSIVE ATMOSPHERES –**Part 15: Equipment protection by type of protection "n"**

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International Standard IEC 60079-15 has been prepared by IEC technical committee 31: Equipment for explosive atmospheres.

This fourth edition cancels and replaces the third edition, published in 2005, and constitutes a technical revision.

The significant technical changes with respect to the previous edition are as follows:

- addition of equipment protection levels;
- removal of the requirements for energy-limited "nL" and associated energy limited apparatus "[nL]";
- removal of the requirements for encapsulated Devices "nC";
- requirements for electrical connections expanded and clarified;
- requirements for luminaire ballasts expanded and clarified;
- requirements for evaluation and testing of motor rotors clarified;

- 15 kV limit for equipment protection by type of protection "n" added;
- spacing requirement for voltages above 10 kV modified;
- requirements for restricted breathing enclosures modified;
- modification to requirements for motor rotors and stators;
- addition of Annex A (informative);
- undated references to IEC 60079-0 included.

The text of this standard is based on the following documents:

FDIS	Report on voting
31/833/FDIS	31/853/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This International Standard is to be read in conjunction with IEC 60079-0.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 60079 series, under the general title: *Explosives atmospheres*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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